Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_

**Meiosis Vocabulary**

|  |  |  |  |
| --- | --- | --- | --- |
| **Word** | **Definition** | **Example/Explanation** | **Picture** |
| **Meiosis** |  | Sexually reproducing organisms create gametes through the process of meiosis. | Sorting of homologous chromosomes during meiosis |
| **Mitosis** | Process which divides chromosomes to create new, identical chromosomes |  | http://upload.wikimedia.org/wikipedia/commons/thumb/e/e0/Major_events_in_mitosis.svg/1023px-Major_events_in_mitosis.svg.png |
| **Cytokinesis** |  | Without cytokinesis, new cells would not be created. Chromosomes are divided through mitosis or meiosis but cytokinesis actual divides the cytoplasm to allow for new cells. | http://www.macroevolution.net/images/cytokinesis-250-155.jpg |
| **Body/somatic cell** |  | N/A |  |
| **Gamete** |  | N/A |  |
| **Diploid** | Having two copies of each chromosome |  | N/A |
| **Haploid** |  | In humans, there are 23 different types of chromosomes. The haploid number of chromosomes in humans is 23. | N/A |
| **Crossing over** |  |  | https://uoitbio2013.files.wordpress.com/2013/02/crossing-over-pic.jpg |
| **Nondisjunction** |  |  |  |
| **Homologous chromosomes** |  | I inherited a chromosome with the gene for normal hemoglobin from my mom and a chromosome with the gene for sickled hemoglobin from my dad (so I’m a carrier for SCA). Since both of these chromosomes contain the gene coding for hemoglobin, they are homologous chromosomes. | http://biolo1100.nicerweb.com/Locked/media/ch08/08_02.jpg |
| **Sister chromatids** |  |  | http://biolo1100.nicerweb.com/Locked/media/ch08/08_02.jpg |